

California Marine Life Protection Act Initiative
Central Coast Project
Staff Summary of Area and Habitats in Package 3R (March 15, 2006 version)
Revised April 20, 2006

Overall Summary for Package 3R (3/15/06 version)

| Type of MPA ¹ | # Proposed | Area (mi ²) | % of Study Region |
|---|------------|-------------------------|-------------------|
| State Marine Conservation Area (SMCA) | 10 | 80.84 mi ² | 7.03% |
| State Marine Park (SMP) | 3 | 7.54 mi ² | 0.66% |
| State Marine Reserve (SMR)² | 18 | 110.00 mi ² | 9.56% |
| All MPAs combined | 31 | 198.38 mi ² | 17.25% |

¹ Note: These are proposed MPA designations, NOT levels of protection assigned by the MLPA Master Plan Science Advisory Team.

² The proposed Morro Bay South State Marine Recreational Management Area was included with the SMRs for the analysis.

Individual MPAs in Package 3R (3/15/06 version)

| MPA Name ^A | Size (mi ²) | Along-shore Span (mi) ^B | Depth Range (ft) |
|--|-------------------------|------------------------------------|------------------|
| Año Nuevo SMR (2nd analysis as **) | 18.25 mi ² | 11.2 mi | 0-209 ft |
| Natural Bridges Intertidal SMR | 0.58 mi ² | 4.1 mi | 3-21 ft |
| Opal Cliffs SMP (^) | 0.22 mi ² | 1.7 mi | 0-10 ft |
| Elkhorn SMR | 1.81 mi ² | 7.0 mi | 0-10 ft |
| Moro Cojo SMR | 0.46 mi ² | 5.0 mi | 0-10 ft |
| Soquel Canyon SMCA (***) | 23.41 mi ² | 7.2 mi | 247-2113 ft |
| Portuguese Ledge SMCA (***) | 10.90 mi ² | 5.4 mi | 302-4838 ft |
| Ed Ricketts SMR | 0.11 mi ² | 0.6 mi | 4-54 ft |
| Ed Ricketts SMCA (**) | 0.09 mi ² | 0.4 mi | 3-56 ft |
| Hopkins SMR | 0.35 mi ² | 1.0 mi | 3-71 ft |
| Pacific Grove SMCA (*) | 0.39 mi ² | 1.2 mi | 3-59 ft |
| Pacific Grove SMR | 0.82 mi ² | 1.6 mi | 0-59 ft |
| Carmel Pinnacles SMR | 1.25 mi ² | 1.8 mi | 3-223 ft |
| Carmel Bay SMCA (*) | 2.10 mi ² | 3.0 mi | 3-471 ft |
| Point Lobos SMR | 4.36 mi ² | 4.6 mi | 0-404 ft |
| Point Lobos SMCA (**) | 9.19 mi ² | 3.0 mi | 228-1858 ft |
| Point Sur SMR | 8.69 mi ² | 5.2 mi | 3-178 ft |
| Point Sur SMCA (***) | 9.50 mi ² | 5.2 mi | 134-424 ft |
| Big Creek SMR | 22.46 mi ² | 6.1 mi | 0-2393 ft |
| Piedras Blancas SMR | 9.04 mi ² | 6.8 mi | 0-138 ft |
| Piedras Blancas SMCA (***) | 12.02 mi ² | 6.8 mi | 89-319 ft |
| Cambria SMP (^) | 7.06 mi ² | 6.6 mi | 0-102 ft |
| Cambria SMR (2nd analysis as *) | 2.54 mi ² | 3.6 mi | 0-106 ft |
| Estero Bluffs SMP (^) | 0.26 mi ² | 2.1 mi | 0-10 ft |
| Morro Bay SMCA (*) | 2.32 mi ² | 7.6 mi | 0-22 ft |
| Morro Bay South State Marine Recreational Management Area (***) | 0.65 mi ² | 3.4 mi | 0-10 ft |
| Morro Bay East SMR | 0.33 mi ² | 2.4 mi | 0-10 ft |
| Point Buchon SMR | 7.63 mi ² | 5.8 mi | 0-237 ft |

Individual MPAs in Package 3R (3/15/06 version) - continued

| MPA Name ^A | Size (mi ²) | Along-shore Span (mi) ^B | Depth Range (ft) |
|--------------------------------|-------------------------|------------------------------------|------------------|
| Point Buchon SMCA (***) | 10.92 mi ² | 5.8 mi | 173-377 ft |
| Purisima SMR | 18.51 mi ² | 4.8 mi | 0-189 ft |
| Vandenberg SMR | 12.16 mi ² | 7.6 mi | 0-120 ft |

A. Listed north to south. Symbols following proposed MPA name indicate level of protection as determined by the MLPA Master Plan Science Advisory Team (SAT). (***) indicates SMCA High, (**) indicates SMCA Moderate, (*) indicates SMCA Low, and (^) indicates SMP Low. Level of protection was used in the SAT evaluation.

B. Alongshore span measured as direct line from one end of the MPA to the other.

Habitat Representation in Package 3R (3/15/06 version)

| Habitat | Percentage of Mapped Habitat in Proposed MPA Designations in the Study Region ¹ | | | |
|--|--|--------|--------|------------|
| | SMCA | SMP | SMR | Total MPAs |
| Intertidal | | | | |
| Sandy or gravel beaches | 2.48% | 4.64% | 22.02% | 29.14% |
| Rocky intertidal and cliff | 2.36% | 3.89% | 31.20% | 37.45% |
| Coastal marsh | 6.05% | 0.00% | 37.69% | 43.74% |
| Tidal flats | 20.02% | 0.64% | 48.48% | 69.13% |
| Seagrass beds (0-30m): Surfgrass | 3.11% | 4.53% | 31.42% | 39.06% |
| Seagrass beds (0-30m): Eelgrass | 74.55% | 0.00% | 25.16% | 99.71% |
| Estuary | 23.60% | 0.20% | 33.16% | 56.97% |
| Soft bottom | | | | |
| 0-30 meters | 1.32% | 1.99% | 12.17% | 15.48% |
| 30-100 meters | 7.41% | 0.07% | 6.23% | 13.71% |
| 100-200 meters | 19.49% | 0.00% | 1.92% | 21.41% |
| >200 meters | 7.05% | 0.00% | 12.16% | 19.21% |
| Hard bottom | | | | |
| 0-30 meters | 1.26% | 2.39% | 27.77% | 31.43% |
| 30-100 meters | 16.45% | 0.00% | 11.71% | 28.17% |
| 100-200m | 37.10% | 0.00% | 0.48% | 37.58% |
| >200 meters | 20.49% | 0.00% | 0.31% | 20.80% |
| Kelp forest | | | | |
| Average kelp ('89, '99, '02, '03) | 4.04% | 6.14% | 28.54% | 38.73% |
| Persistent kelp | 6.29% | 11.96% | 24.86% | 43.10% |
| Submarine canyon | | | | |
| 0-30 meters | 26.55% | 0.00% | 8.85% | 35.40% |
| 30-100 meters | 1.36% | 0.00% | 3.84% | 5.20% |
| 100-200 meters | 12.38% | 0.00% | 2.81% | 15.18% |
| >200 meters | 9.61% | 0.00% | 10.12% | 19.73% |

¹ Note: These are proposed MPA designations, NOT levels of protection assigned by the MLPA Master Plan Science Advisory Team. The proposed Morro Bay South SMRMA was included with the SMRs for the analysis.